



OFFICE OF SCIENCE & TECHNOLOGY

Handheld Acoustic System for Concealed Weapons Detection

Project Description:

The National Institute of Justice sponsored JAYCOR to develop an inexpensive, handheld device to alert officers to the potential presence of a weapon at a greater distance than the handheld metal detectors in use today thus providing the officer a greater margin of safety. Utilizing acoustic technology, this device will be able to detect both metallic and non metallic weapons, intended for use in criminal acts, concealed under an individual's clothing. This detector will be affordable for even smaller law enforcement agencies.



Status:

A breadboard model was demonstrated with positive results. It was able to detect a plastic knife concealed under a heavy sweatshirt at a distance of 7 feet. Working models were demonstrated for the California Border Alliance Group where they received a positive reception. Prototypes will be delivered to NIJ by the end of 2002 for assessment prior to demonstration with law enforcement agencies planned for late 2002 or early 2003.

Contact Information:

Chris Tillery
Project Manager
Tel.: 202 305 - 9829
E-mail: tilleryg@ojp.usdoj.gov